

ABSTRACT OF THE DISCLOSURE

There are provided a capacitor lower electrode formed on an adhesive layer, whose surface roughness is 0.79 nm or less, and having a (111) orientation that is 5 inclined from a perpendicular direction to an upper surface of a substrate by 2.3 ° or less, a ferroelectric layer having a structure the (111) orientation of which is inclined from the perpendicular direction to the upper surface of the substrate by 3.5 ° or less, and a 10 capacitor upper electrode.